

GenCore version 5.1.3  
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OM protein - protein search, using sw model

Run on: November 30, 2002, 12:28:13 ; Search time 19.1252 Seconds  
(without alignments)  
1416.898 Million cell updates/sec

Perfect score: 4797

Sequence: 1 MAMRLQPLTSAFLHGLVY.....LWLVLTLFATLEAYCYKGF 921

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

- 1: /cgn2\_6/prodata/1/1aa/5A.COMB.pep:\*
- 2: /cgn2\_6/prodata/1/1aa/5B.COMB.pep:\*
- 3: /cgn2\_6/prodata/1/1aa/6A.COMB.pep:\*
- 4: /cgn2\_6/prodata/1/1aa/6B.COMB.pep:\*
- 5: /cgn2\_6/prodata/1/1aa/6C.COMB.pep:\*
- 6: /cgn2\_6/prodata/1/1aa/6D.COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	128.5	2.7	693	4 US-09-564-805-234	Sequence 234, App
2	128.5	2.7	4654	4 US-08-476-515A-84	Sequence 84, App1
3	128.5	2.7	4655	4 US-08-652-877-84	Sequence 84, App1
4	128.5	2.7	4655	4 US-08-652-877-86	Sequence 86, App1
5	128.5	2.7	4655	4 US-08-652-877-88	Sequence 88, App1
6	128.5	2.7	4655	4 US-08-652-877-90	Sequence 90, App1
7	115.5	2.4	1786	4 US-08-973-462-8	Sequence 8, App11
8	115.5	2.4	1805	4 US-07-853-913-2	Sequence 2, App11
9	113.5	2.4	339	4 US-09-134-001C-3608	Sequence 3608, Ap
10	111	2.3	660	4 US-09-134-001C-3350	Sequence 3350, Ap
11	111	2.3	10182	4 US-09-134-001C-3159	Sequence 3159, Ap
12	110.5	2.3	720	4 US-09-708-426-8	Sequence 6, App11
13	109.5	2.3	1144	3 US-08-726-214-6	Sequence 2, App11
14	108.5	2.3	652	1 US-08-050-684-2	Sequence 2, App11
15	108.5	2.3	652	1 US-08-582-719-2	Sequence 2, App11
16	108	2.3	721	4 US-09-134-078-19	Sequence 19, App1
17	106.5	2.2	1780	1 US-08-769-309A-5	Sequence 5, App11
18	106.5	2.2	1780	1 US-08-994-570-5	Sequence 5, App11
19	105.5	2.2	480	2 US-08-962-203-2	Sequence 2, App11
20	105.5	2.2	480	2 US-09-282-125A-2	Sequence 2, App11
21	105.5	2.2	480	4 US-09-273-142-2	Sequence 2, App11
22	104	2.2	1432	3 US-08-781-891-71	Sequence 71, App1
23	103.5	2.2	988	2 US-08-286-819A-19	Sequence 19, App1
24	103.5	2.2	988	3 US-08-980-357-19	Sequence 19, App1
25	103	2.1	519	3 US-08-997-445D-2	Sequence 2, App11
26	102.5	2.1	503	4 US-09-562-737-67	Sequence 67, App1
27	102.5	2.1	1242	4 US-09-488-270A-2	Sequence 2, App11

28	102	2.1	549	2 US-08-770-544-6	Sequence 6, App11
29	100.5	2.1	330	4 US-09-134-001C-3811	Sequence 3811, Ap
30	100	2.1	1157	1 US-07-876-280-30	Sequence 30, App1
31	100	2.1	1157	1 US-07-812-180A-2	Sequence 2, App11
32	100	2.1	1157	1 US-08-315-468-2	Sequence 2, App11
33	100	2.1	1157	4 US-07-941-650A-2	Sequence 2, App11
34	99.5	2.1	2366	1 US-08-480-604A-10	Sequence 10, App1
35	99.5	2.1	2366	2 US-08-405-496A-10	Sequence 10, App1
36	99.5	2.1	2366	4 US-08-915-136-10	Sequence 10, App1
37	99.5	2.1	2366	4 US-08-957-310-10	Sequence 10, App1
38	99	2.1	970	1 US-08-375-709-7	Sequence 7, App11
39	99	2.1	970	1 US-08-752-929-7	Sequence 7, App11
40	99	2.1	970	4 US-09-090-793-5	Sequence 5, App11
41	98.5	2.1	503	4 US-09-562-737-70	Sequence 70, App1
42	98.5	2.1	688	3 US-09-141-047-8	Sequence 8, App11
43	98	2.0	684	4 US-09-564-805-233	Sequence 233, App
44	98	2.0	1976	3 US-09-024-020B-9	Sequence 9, App11
45	98	2.0	1976	4 US-09-425-043-9	Sequence 9, App11

ALIGNMENTS

RESULT 1  
US-09-564-805-234  
; Sequence 234, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 234  
; LENGTH: 693  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-09-564-805-234  
  
Query Match 2.7%; Score 128.5; DB 4; Length 693;  
Best Local Similarity 19.6%; Pred. No. 0.0019;  
Matches 132; Conservative 88; Mismatches 206; Indels 249; Gaps 32;  
  
153 IEVCGHFIAGDGPSTIVSAFNMFIIGICVYIPDERTIKIKLRFVFIAMSF 212  
154 VEVNGIKFWCYTGG--HVLAAMF-MVDIAGVILTYGDSREEDRLRA----- 200  
213 AYTWLWYILAFSPGVQVVEGILLTFEPVCVLLANVADKRLLYVYMKKRYRTDKHRG 272  
201 -----AELQGFSP-----DICTIES-TSGVOLQSHHIREKRTD----- 234  
273 IITETGDPKGIEMDGKMNHFLDGNLYPLEGKEVDESREKIRIKLQKQKHPKDL 332  
235 VHSST-----VAQGRVILPAFALGR-----AOEILLIDETVMANHPD--- 272  
333 DQLEVMANYALSHQOKSRFAFRIGATRMGTAGNLIKKAHQAQAKKASMSVHNDEPE 392  
273 --LHNPIYTYASPLAKCMAYVOTYILISMNDRIKNOFANSNPVEFKHISPLNST-----D 325  
393 DF-----ISKVFDPDCSYOCLENGCAVLLTVVRKGDMSKT----- 428  
326 DFDVGRSVVMAIPGQISGLSRLQFDS---WCSKKKNACIIGVWEGTLATITINEPK 382

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QY 429 -----MYVDKTEGDSANAGADY-----EFTEGTVLKPGETOK----- 462
DB 383 EVTLNGLTAPLNQVHI-----SFSADYAOJSTFLKELMPRIILVHEANEMMLK 438
QY 463 -----EFSVG---IIDDIFEDDEHFF--VRLSNV--RIEEOPEEGMPAIFNSLPLPR 510
DB 439 OKLTPEPDGNTKIMTPKNCSEVEMFENSEKTIAGTLAKTDPDVG----- 485
QY 511 AVLASPCATVTIIDDHAGI-----EFTFEC---DTIVSSISIGMEKVLRTSGARCTV 562
DB 486 -----DTVSGILVKKGFYQIMADELHVFSO-----LSTATVQRI 522
QY 563 IVPRTVEGTAKGGEDEFEDYGELEFEKNDFTVKIRKIVDEEYERQENFALGEPK 622
DB 523 TIFPVAGFVYK---HREKIFESVEPSTDESGLPALKAHERVTVQDESKHISL---Q 576
QY 623 WMEGICD-VTDR-----KLTMEEDA-KRIAMGRPV----- 653
DB 577 WSDPSIDMSYSIALILNISREVPKIYMEEDAVKSEENGKKEKVIYALLVSLFGD 636
QY 654 --LGEHPLEVIIESEYEKFTTVKLIKKTALVGVGHSNRDQFMELITVSAGDEDED 711
DB 637 VKLENGKLVIRVDGN-----VAOLDK-----GGEVSE 666
QY 712 ESG-EERLPSCFDYV 725
DB 667 HSGLKERVRAFERI 681

RESULT 2
US-08-476-515A-84
: Sequence 84, Application US/08476515A
: Patent No. 6239270
: GENERAL INFORMATION:
: APPLICANT: Akerstrom, Goran
: APPLICANT: Juhlin, Claes
: APPLICANT: Raak, Lars
: APPLICANT: Crumley, Gregg R.
: APPLICANT: Morse, Clarence C.
: APPLICANT: Murray, Edward M.
: APPLICANT: Hjalim, Goran
: TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments
: TITLE OF INVENTION: Thereof and DNA Encoding Same
: NUMBER OF SEQUENCES: 84
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Martin Savitzky
: STREET: Rhone-Poulenc Rorer Inc., 500 Arcola Rd.,
: STREET: 3C43,
: CITY: Collegeville
: STATE: PA
: COUNTRY: USA
: ZIP: 19426-0107
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: Compag PC
: OPERATING SYSTEM: Windows 95
: SOFTWARE: Word 7.0 (Patentlin)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/476, 515A
: FILING DATE: 07-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/344, 836
: FILING DATE: 23-NOV-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: WO PCT/SE94/00483
: FILING DATE: 24-MAY-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: SE 9301764-8
: FILING DATE: 24-MAY-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Savitzky, Martin

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: REGISTRATION NUMBER: 29,699
: REFERENCE/DOCKET NUMBER: A1355D
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-454-3816
: TELEFAX: 610-454-3808
: INFORMATION FOR SEQ ID NO: 84:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4654 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-476-515A-84

Query Match      2.7%; Score 128.5; DB 4; Length 4654;
Best Local Similarity 18.4%; Pred. No. 0.055;
Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

QY 156 CGHGFIAAGDLPSTVIGSAFNMELIIGICVVIIPDETRKIKHL----- 200
DB 1415 CDGYMLESQRTCKV--TASESLLLVNSQKIIADSVTSQVHNHISLVNGSYIVAVDF 1473
QY 201 -----RVFETA-----AMSTFAIYIMLVILAVFSPGVQVVEGLLTFEPFVYLLAVYA 251
DB 1474 DSISGRIFMSDATQGTWSAFQNGCTDRRV--VFDSII-----LTETIADWVG 1520
QY 252 DKRLFFYKMKKRYRTDK-----HRGIITEGDHPKGIEMGKMMNSHFLD-----GNLVP 303
DB 1521 -RNLWYDYALETIEVSKIDSNSHTVLSKNTLTPRGALDPR--MNEHLFMSMGHHRP 1578
QY 304 LEKREVDSESRREMI-----RIL-----K 321
DB 1579 IERASMDGSMRTVIYQKIFWPCGLTIDYPRLLYFMDSYLDYMDPCDYNCHHRRQYIAS 1638
QY 322 DLKQKHPKDLQLEVANRYALSHOOKSRAFYRIQATFRMTGTGNILKKAQAKKAS 381
DB 1639 DLIIRHP-----TALTLEDS-VYWDRAIRRVRRAN--KWHGNGQSVVMY 1681
QY 382 SMS-----EYHDEPEDEIFSKVFEDPCSYQC-----LENC- 411
DB 1682 NIQNPRLGIVAVHPSKQRPNSVPCAFSRCSHCLISSQPHRYSCVCSGMSLDLNLCL 1741
QY 412 --GAVLLTVNRKGGDMKMTVVDKTED-----GSANAGADYEFTGTV---VLAPGE 459
DB 1742 RDDPFLITVROHIIIFGISLNPVEVKSNDAMPVIAIGQN-GIDVFEDDAEQIYVVENPGE 1800
QY 460 YQKFPVGIIDDDIFEDDEHFFVRLSNVRIEEOPEEGMPAIFNSLPL--PRAVLASPC 517
DB 1801 IHR-----VKTGNTNRTVFASSIMVGPMSMLA--- 1827
QY 518 VATVTIIDDHAGIETFECDTIHVESISIGMEVVLRTSG---ARGVTIYVFTVEGTAK 574
DB 1828 -----LDWISRLY-----STNPRQSIIEVLTLHGDIRYRKTLIAN---DGTAL 1868
QY 575 GGGEDF---EDTYGELEFKNDFTVKIRKIVDEE-----EY 608
DB 1869 GVCFPIGITVDPARGLKLYMSDQGTDSGVPAKIASANNMGTSVKTLFTGNLEHLCVTLDI 1928
QY 609 EROENFPIALGEPKWMERGISDYDRKLTMEEBAKRIAEGRK-VLGEHPKLEVIIIES 667
DB 1929 EEOKLWAVYGRV--IERGNVDGTRMIL-----VHOLSHWGIWAIHDSFLYITDEQ 1979
QY 668 YEFKTVYDKLTKTNLALVGVGTHSMRDOF--MEAITVSAGDEDEDESGEERLPSCFDYV 725
DB 1980 YEIERYDKATGANKIYL-----RQNVRLRLQIYYHRRNAEASSNG-----CSNM 2026
QY 726 MHFLTVFWKV--LFACV-----PTEYCHMGMAFVASIILIGMLTALIG--DLAS 771
DB 2027 NACQOICLPYVYGLFSCACATGFKLPNDNSCSYNSF---IYVSMLSAIRGFSLESD 2082
QY 772 HFCTTIGL-----KDSVTAIVFVAFGTVPDTFASKAA---ALQDVYAD-ASIGAVT--- 819
DB 2083 HSETMVPVAGGRRNALHVDVDSGFIYWCDFSSSVASDNIIRIKPKDGSLMNIYVHGI 2142

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ZIP: 19426-0107  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Macintosh  
OPERATING SYSTEM: System 7.5.1  
SOFTWARE: Word 6.0 (Patentlin)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/652,877  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/15203  
FILING DATE: 22-NOV-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/344,836  
FILING DATE: 23-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/487,314  
FILING DATE: 07-JUNE-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Savitzky, Martin  
REGISTRATION NUMBER: 29,699  
REFERENCE/DOCKET NUMBER: A1355E-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-454-3816  
TELEFAX: 610-454-3808  
INFORMATION FOR SEQ ID NO: 86:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4655 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-652-877-86

Query Match 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055; Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

QY 156 CGHFIAGDLPSTIVGSAFNMFLIIGICVYIPDGETRKIKH----- 200  
DB 1415 CDYIMLESORCTKV-TASSLLIVASOKKIADSTSVHNHYSLVENGSIYAVDF 1473  
QY 201 -----RVFFETA-----AWSIFAIVLWYILAVFSPGVVQVEGLLTFFFPVCLLANVA 251  
DB 1474 DSISGRIFWSDATOGKTSAPONGTDRRV--VFDSSTI-----LTETIAIDWVG 1520  
QY 252 DKRLLEFYKMKKRYTDK-----HRCIITETGDPKKGEMGKMANSHFD-----GNLYP 303  
DB 1521 -RNLVWTDYALETIEVSKIDGSHRTVLISKNLTPRGIALDPR-MNEHLFWSDMGHPR 1578  
QY 304 LEGKEVDESREMI-----RIL-----K 321  
DB 1579 IERASMGSMATVIVQOKIFPCGLITIDYPRKRLYPMDSYIDYDFCDYNGHRRQVYAS 1658  
QY 322 DLKOKHBEKDLQLEVANYVALSHOOKSRAFYRIQATRMATGAGNLIKHAASQAKKAS 381  
DB 1639 DLIRHP-----YALTFLEDS-VYWTDRATRRVRAN--KMGNGQSVVMY 1681  
QY 382 SMS-----EYHDEPEDFEDISKVFDFPCSTOC-----LENC- 411  
DB 1682 NIOWPLGIVAAHPKOPSVNPAFSSRSHCLLSOGPHFYSCVCSGMSLSPDLNCL 1741  
QY 412 --GAVLLTVAKGDMSTVMVDKTEB-----GSANAGADYEFTGETV-----VLKPG 459  
DB 1742 RDDPFLITVAQHIIITGSLPEYKSNDAWPIAGION-GLDVFEDDDEQIYYVWENGE 1800  
QY 460 TQKEFSVGIIDDDIFEDEHFEVRLSNVRIEEOPEEGMPAIFNSLPL--PRAVLASPC 517  
DB 1801 IHR-----VKTGNTNTVFASISMVGPSPNMLA--- 1827  
QY 518 VAITVITLDDDHAGITFECDTIHVSSEIGAVEVVLRTSG---ARGVIYVFFRVEGETAK 574  
DB 1828 -----LDMISRNLY-----STNPRQOSIEVLTLHGDIRYRKTLIAN---DGVAL 1868

QY 575 GGGEDEFE-----EDTYGELEFFKNDETFTKIRKIVDEE-----EX 608  
DB 1869 GVFPPIGITVDPARGKLYWSQGDSCVPKAIASANDGTSVKTLFTGNLEHLCVTLDI 1928  
QY 609 EROENFTIAGEPKWMERGISDVTDRKLTMEEBEAKRIAEKGP-VLGEHPELVITIEES 667  
DB 1929 EEOKLYNAVTVGRGV-IERGNVDGTDRLML-----VHQLSHPWGIAVHDSFLYYTDEQ 1979  
QY 668 YEFKTVYDKLIKNTNLLVWGTSHMRDOF--MEAITVSAAGDEDEDSGEERLPSCFDYV 725  
DB 1980 YEYERVDKATGANKIYL-----RDVNPRLRGLQYHRRNAEASSNG-----CSNM 2026  
QY 726 MHFLTFMKV---LPACY-----PPTXCHGACFVAVSILITIGLTAIIG--DLAS 771  
DB 2027 NACQICLPVPGGLFSCACATGFKLNDNRCSPIYNSF---IYVMSLAIKRGFSLSD 2082  
QY 772 HEGCTIGL---KDSYAVVFAFGTSVPDTFASKAA---ALQDYVD-ASIGNVT--- 819  
DB 2083 HSETMVPVACQGRNALHVDVSSGFYWCDFSSSVASDNAIRIKPKDGSLMNIYTHGI 2142  
QY 820 GSNVNVFLGTGLAWSVAATYW 841  
DB 2143 GENGVR---GIAVDVAGNLYE 2161

RESULT 5  
US-08-652-877-88  
Sequence 88, Application US/08652877  
Patent No. 6187548  
GENERAL INFORMATION:  
APPLICANT: Akersstrom, Goran  
APPLICANT: Juhlin, Claes  
APPLICANT: Rask, Lars  
APPLICANT: Crumley, Gregg R.  
APPLICANT: Morse, Clarence C.  
APPLICANT: Murray, Edward M.  
APPLICANT: Hjalms, Goran  
TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments  
TITLE OF INVENTION: thereof and DNA Encoding Same  
NUMBER OF SEQUENCES: 106  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Rhone-Poulenc Rorer Inc.  
STREET: 500 Arcola Rd., 3043  
CITY: Collegeville  
STATE: PA  
COUNTRY: USA  
ZIP: 19426-0107  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Macintosh  
OPERATING SYSTEM: System 7.5.1  
SOFTWARE: Word 6.0 (Patentlin)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/652,877  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/15203  
FILING DATE: 22-NOV-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/344,836  
FILING DATE: 23-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/487,314  
FILING DATE: 07-JUNE-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Savitzky, Martin  
REGISTRATION NUMBER: 29,699  
REFERENCE/DOCKET NUMBER: A1355E-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-454-3816  
TELEFAX: 610-454-3808

; INFORMATION FOR SEQ ID NO: 88:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 4655 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-652-877-88

Query Match 2.7%; Score 128.5; DB 4; Length 4655;  
 Best Local Similarity 18.4%; Pred. No. 0.055;  
 Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

156 CGHGFAGDLPSTIVGSAFNMFIIGICVYIPDGETRKIKHL-----200  
 1415 CDGVMLESGRCKY-TASESLLLVASONKIIADSVTSQVINITYSLVENGSIYAVDF 1473  
 201 -----RVFFITA---AMSFAYIMLYMLAVFSPGVQVMEGLTLFFPPVCVLLAWVA 251  
 1474 DSISGRIFMSDATOGKTSAFQNGTDRV--VFDSSII-----LTETIADIMWG 1520  
 252 DKRLLEFYKMKHKYTRDK-----HRGIIIFTEGHPKGIEMDKMNSHFLD-----GNLVP 303  
 1521 -RMLYMTDVALETIEVSKIDGSHRTVLISKNLTNPGLADPR-MNEHLFMSDWGHNPR 1578  
 304 LEQKEVDSESRREMI-----RIL-----K 321  
 1579 IERASMDGSMRTYIVODKIFMPCGLTIDYRNRLLYFMDSYLDYMDCDYNGHHRQVIAS 1638  
 322 DLKQKHPKEDLDQLVEMANYALSHOOKSRATYRIQATRMGTAGNIIKKHAAEQAKKAS 361  
 1639 DLIRHP-----YALTFEDS-VYWTDRATRRVMRAN--KMHGNGQSVVMY 1681  
 382 SMS-----EVHTDEPEDFISKVFDPSCSYQC-----LENC- 411  
 1682 NIDMPLGIYAVHPKOPNSVPCAFSRCSHLCLSSQGRHFCVCPSCGSLSPDLLNCL 1741  
 412 --GAVLLTVVRKGGDSKTYVYDKTED-----GSANAGADYEFTGTV-----VLKPG 459  
 1742 RDQOPPLIYRQHIIIFGISLNPEVKSNDAMVPIAGTQN-GLDVEFDDAEYIYIWEVPE 1800  
 460 TOKESVSGIIDDIFEDEHEFVRLSNVRIEEOPEEGMPAIFNSLPL--PRAVYASPC 517  
 1801 IHR-----VKTDGTRNVFASISMGVPSMNLA--- 1827  
 518 VAVTVLLDDHAGITFECDTIHVSBSIGVMEYKVLRTSG--ARGVIYIPFTVEGTAK 574  
 1828 -----LDWISRNLY-----STNPRQOSIEVLTILHGDIRYRKTLLAN---DETAL 1868  
 575 GGGEDF-----EDTYGELEFKNDETVKTIYKIVDEE-----EY 608  
 1869 GVGFPIGIYVDPARKKLYWDQGTDSGVPAKIASAMNDGTSVKTLTFTGNLEHLECYTLDI 1928  
 609 ERQENEFIALGEPKMMERGISDVTDRKLMEEBEAKRIAMGKP-VLGEHPKLEVIIEES 667  
 1929 EEOKLYMAVYGRGV-IERGNVDGTDKML-----VHQLSPHWGLAVHDSFLYTYDEQ 1979  
 668 YEKRTVVDKLIKKTINLALVYGTSMRDQ--MEALITYSAAGDEDEDESGERLPSCDIY 725  
 1980 YEYIERVDATGANKIVL-----RDVNPNLGLQYHRRNMAESSNG-----CSNM 2026  
 726 MHLTYFMKY---LFACV-----PPTYCHGMACFAVSILIGLTLAIIIG---DLAS 771  
 2027 NACQOICLPYPGGLFSCACATGFKLPNDNRSCTPYNF-----IYVSMLSAIRGFSLESD 2082  
 772 HFCCTIGL---KDSYTAVVFAFGTSVPDTFASKAA---ALQDYVAD-ASIGNVT----- 819  
 2083 HSETWVPVAGQGRNALHVDVDSGFIYWCDFSSVASDAMAIRIKRDGSSLMNIYVHGI 2142  
 820 GSNAAVNFELGIGLAWSYAAIY 841  
 2143 GENGVV---GIAVDVWVAGNLYF 2161

## RESULT 6

US-08-652-877-90  
 ; Sequence 90, Application US/08652877

; Patent No. 6187548

; GENERAL INFORMATION:

; APPLICANT: Akersstrom, Goran

; APPLICANT: Junlin, Claes

; APPLICANT: Rask, Lars

; APPLICANT: Crumley, Gregg R.

; APPLICANT: Morse, Clarence C.

; APPLICANT: Murray, Edward M.

; TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments

; TITLE OF INVENTION: Thereof and DNA Encoding Same

; NUMBER OF SEQUENCES: 106

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Rhone-Poulenc Rorer Inc.

; STREET: 500 Arcola Rd., 3C43

; CITY: Collegeville

; STATE: PA

; COUNTRY: USA

; ZIP: 19426-0107

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: Macintosh

; OPERATING SYSTEM: System 7.5.1

; SOFTWARE: Word 6.0 (Patentin)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/652,877

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US95/15203

; FILING DATE: 22-NOV-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/344,836

; FILING DATE: 23-NOV-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/487,314

; FILING DATE: 07-JUNE-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Sawitzky, Martin

; REGISTRATION NUMBER: 29,699

; REFERENCE/DOCKET NUMBER: A1355E-US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 610-454-3816

; TELEFAX: 610-454-3808

; INFORMATION FOR SEQ ID NO: 90:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 4655 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-652-877-90

Query Match 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055;

Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

156 CGHGFAGDLPSTIVGSAFNMFIIGICVYIPDGETRKIKHL-----200  
 1415 CDGVMLESGRCKY-TASESLLLVASONKIIADSVTSQVINITYSLVENGSIYAVDF 1473  
 201 -----RVFFITA---AMSFAYIMLYMLAVFSPGVQVMEGLTLFFPPVCVLLAWVA 251  
 1474 DSISGRIFMSDATOGKTSAFQNGTDRV--VFDSSII-----LTETIADIMWG 1520  
 252 DKRLLEFYKMKHKYTRDK-----HRGIIIFTEGHPKGIEMDKMNSHFLD-----GNLVP 303  
 1521 -RMLYMTDVALETIEVSKIDGSHRTVLISKNLTNPGLADPR-MNEHLFMSDWGHNPR 1578  
 304 LEQKEVDSESRREMI-----RIL-----K 321

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Db 1579 IERASMDGSMFTYVQDKIFMPCGLITDYPNRLLYFMDSYLDYDFCDYNGHRRQVIAS 1638
QY 322 DLKQHPKEDLDQLEMANAYALSHOOKSRAFYRIQATRMWTGAGNLLKHAEOAKKAS 381
Db 1639 DLIRHP-----YALTFEDS-VYWDRAIRRMKRA--KMHGQDSVYMY 1681
QY 382 SMS-----EVTDEPEDEFISKVFDPSCSYOC-----LENC- 411
Db 1682 NIQWPLGIVAVHPSKOPNSVPCAFSRCSHLCLLSQGFHYSCVCPSGMGLSPDLLNCL 1741
QY 412 --GAVLLTVKKGDMSTKMYDYKTED-----GSNAGADYFETGTV---YLRGE 459
Db 1742 RDQPFLLTVKQHIIFGISLEPVKSNDAWPIAGION-GLDVEFDAEQYIYWEVNGPE 1800
QY 460 TOKESVGIIDDDIFEDEHFFVRLSNVRIEEOPEEGMPAIFNSLP--PRAVLASPC 517
Db 1801 IHR-----KTDGTNTVTFASISMWGSPSNLA----- 1827
QY 518 VAVYTIIDDDHAGIFTEPCDTIHVSEISIGMEVKVLTSG--ARGVIYFRTVEGTAK 574
Db 1828 ----LDMISRNLY-----STNPRQSIIEVLTJLHGDIRYRKTLIAN---DGTAL 1868
QY 575 GGGEDF-----EDTYGELEFKNDEFYKTRIVDEE-----EY 608
Db 1869 GVGPPIGTVDPARKKLYWSDQGTDSGVPAKIASANMDGTSVKTLFTGNLEHLECVTLDI 1928
QY 609 EROENFEIATGEPKMERGISDVTDRKLTMEEEAKRIAEMGKP-VLGEHPKLEVIIEES 667
Db 1929 EEOQLYMAVNGRGV-IERGNVNDGTDRML-----VHQSHPMGIAVHSPFLYXDEQ 1979
QY 668 YEFYTYDKLIKTNLALVGTSHMRDOF--MEAITVSAAGDEDEDESCEERLPCFDYV 725
Db 1980 YEVEYERDKATGANKIYV-----RDNVPRJLGLQVYHRRNAEASSNG-----CSNM 2026
QY 726 MHFLVFMKV---LEACY-----PTEYCHGMACPAVSILLIIMTLATIG---DIAS 771
Db 2027 NACQOICLPVGGGLFSCACATGFKLPDNRSCSPYNSF---IYVMSLATIRGFSLESD 2082
QY 772 HFCCTIGL---KDSVTAVAVFAFTSVPTDFASKAA---ALQDVAD-ASIGNVT----- 819
Db 2083 HSEHWPVAGGGRNALVHYDVSSGFYWCDFSSVASDMMIRIKPGSSLMNIYVHGI 2142
QY 820 GSNVNVNVLGIGLAMSVAIYW 841
Db 2143 GENGVR--GIAVDVAGNLTXF 2161

RESULT 7
US-08-973-462-8
Sequence 8, Application US/08973462B
Patent No. 6191270
GENERAL INFORMATION:
: APPLICANT: DAUBERIES, PIERRE
: TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
: FILE REFERENCE: 0660-0125-0 PCT
: CURRENT APPLICATION NUMBER: US/08/973.462B
: CURRENT FILING DATE: 1998-02-06
: EARLIER APPLICATION NUMBER: PCT/FR96/00894
: EARLIER FILING DATE: 1996-06-12
: EARLIER APPLICATION NUMBER: FR 95/07007
: EARLIER FILING DATE: 1995-06-13
: NUMBER OF SEQ ID NOS: 29
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 8
: LENGTH: 1786
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Polypeptide
US-08-973-462-8
Query Match 2.4%, Score 115.5; DB 4; Length 1786;

```

```

Best Local Similarity 20.5%; Pred. No. 0.2;
Matches 94; Conservative 79; Mismatches 168; Indels 117; Gaps 22;

QY 268 DKHRIIE--TEGDHKGIGMDGKMNSHFLDGNVPLEKEEDESREIRLKLKQ 325
Db 1197 EKDVSLVEEVQDDNDQESVE--KYLEKNMEELMK-DVAVINDITSKLIEETQELNE 1252
QY 326 KHPE--KDLDQLEMANAYALSHOOKSRAFYRIQATRMWTGAGNLLKHAEOAKKAS 383
Db 1253 VEADLINDMEKLEK--ALSEDSK-----EIDAKDITLEKVEIEHDITTL 1300
QY 384 SEV--HTDEPEDFISKVFDPSCSYOCLENGCAVLLTVYRKGDMSKMYDYKTEDSAN 441
Db 1301 DEVELKDVEEDKIEKY-----SDLKDLEEDILKEVKEIKLESELEEDYKE----- 1347
QY 442 AGADYFETGTVLKPGETOKESVGIIDDDIFEDEHFFVRLSNVRIEEOPEEGMPA 501
Db 1348 -----LKTETD-----ILEKKELEKDF-----EKFEAEAE----- 1376
QY 502 IFNSLPLPRAVLASPCVATYTIIDDDHAGIFTEPCDTIHVSEISIGMEVKVLTSGARGT 561
Db 1377 -----IKLEADILK-EVSLVEYEKKLEBEVHELKEVEH-- 1411
QY 562 YIVPFRIVEGTAKGGDEDFETYGEL--ERKNDETIVTKRIYDEEYERQENFTALG 619
Db 1412 IISGDAHIKGLEEDLEEVDLKGIIDMLKGD-----MELGDMKP-ESLEDTVTKLG 1463
QY 620 EPKMERGISDVTDRKLTMEEEAKRIAEMGKPVLGHPKL-EVIESEYEFKTVYDKLI 678
Db 1464 E--RVESLKDVLSALGMDEQMKTRK-----AORPKLEEVLANE--EVEEPKPKKI 1512
QY 679 KTNLALVGTSHMRDOFMEAITVSAAGDEDEDESCEE 716
Db 1513 TKKVFDPDKKEPKDELVEY-----EMKDEDIEEDVEE 1546

RESULT 8
US-07-853-913-2
Sequence 2, Application US/07853913
Patent No. 5338839
GENERAL INFORMATION:
: APPLICANT: McKay, Ronald D.G.
: TITLE OF INVENTION: Nestin Expression As An Indicator of
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Millitia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: U.S.A.
: ZIP: 02173
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/853.913
: FILING DATE: 19920319
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/660,412
: FILING DATE: 22-FEB-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/603,803
: FILING DATE: 25-OCT-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/201,762
: FILING DATE: 02-JUN-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/180,548

```





Db 206 INNFKPLEDLAVSRFTDGVVPSNPKHVYVWIDALVNYISLGLYSDDELLENKY 265  
QY 714 -----GEBRLPSCFCFYVHFLTFKVLFAAC-----VPLECHGACFAVSLILGM 761  
Db 266 WPAIDHLMKE-----IVRFHSITWPIILMLDLPLPKVVAHGM-----LMDKCK 312  
QY 762 LTAIGD-----LASHGCTIGLDSVTAVVFAFGTSVDTFASKAALQDVYADASI 815  
Db 313 MSKSGNVVDNVLIDRYGLDATTRYLMRELPGSDGVFTPEAFYER-----TNYDL 364  
QY 816 GNVGSAVNVNVLGIGLAMSVAATY-----ALOG-----QEPHVSAG 853  
Db 365 ANDLG-MLVNRIT-----SMINKYFHGELPAGOGPKHELDKEMALETVKSFNDME 417  
QY 854 TLAFSVTLFTTFAFY 868  
Db 418 SLOFSVALSTWKEF 432

## RESULT 11

US-09-134-001C-3159  
Sequence 3159, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 3159  
LENGTH: 10182  
TYPE: PR1  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-3159

Query Match 2.3%; Score 111; DB 4; Length 10182;  
Best Local Similarity 21.2%; Pred. No. 12;  
Matches 97; Conservative 70; Mismatches 168; Indels 122; Gaps 22;

QY 310 DESREMRIRLKDLOK---KHPEKQ-----LDOLVEMANYA-----LSHOK 349  
Db 9479 DATSDLVNOKAKDEQSAIEHITHADELPKAKLDANOMIDQVEDINHLISONPNLSNEEK 9538  
QY 350 SRAFYRIQATPMGTGAGN---ILKHAEOAKKASSMSEVHTDEPEDFISKVEFPCSY 405  
Db 9539 NKLISQI--NKLNVGINKKEIQALINKOIEANA--TTKDEVIETTKKILINKAE---AK 9590  
QY 406 QCLNCGAVLTVVRKGGDSKMTVVDYKTEGDSANAGADYFTEGVVLRPGETOKES 465  
Db 9591 QMIKELSOKKRDAINNNDL-----TPSOKAHALADIDKTE---KDALQHIENS 9636  
QY 466 VGIIDDDFEDEHFVNLVSVRIEEOPEEGMPAIFN--SLPRAYVLASPCVA----- 519  
Db 9637 NSI--DDINNKEHAFNTLAIHIIWDIDQ---PLVEFVELSLQNLVLSEVVHARDE 9690  
QY 520 -----VTIILDDHAGIFTECDTIHVSSESIGVMEVRLTSGARGVIVPEFTVE 570  
Db 9691 TISLESIKKMTLDELKLVNIVSLP--NTDKVADH--TAKVAVIILADSGVYTVVNPVKVYE 9748  
QY 571 GTANGGEDFEDYGELEFKNDETAKT-----RVKIVD-----EEEXERO 611  
Db 9749 -----KEIQIAKKDAIKTIDVLVQKIKIDISNNELTSTQREDAAAEIERL 9794  
QY 612 ENFFIALGEPKMMERGISDVYDKRLTMEF-----EAKR--IAEMGRPVGEH 657  
Db 9795 KKOAI---DKVNHSSKSIDIEIVKRTDFEELDOPDKRFTLNKAKKDIITDVNTQIONGF 9851

QY 658 PKLEVIIESEYFETVDK---LIKKTNALVGVTHS 691  
Db 9852 KEIEFIKGLTSENKETOQFDKQLTALQKELEKEVHAHN 9888

## RESULT 12

US-09-708-426-8  
Sequence 8, Application US/09708426  
Patent No. 6444429  
GENERAL INFORMATION:  
APPLICANT: HAN, YE-SUN  
APPLICANT: YU, YEON-GYU  
APPLICANT: LIM, JAE-HWAN  
TITLE OF INVENTION: GENE CODING FOR DNA LIGASE OF HYPERTHERMOPHILIC BACTERIA AQUI  
TITLE OF INVENTION: PYROPHILUS AND PROTEIN EXPRESSED THEREFROM  
FILE REFERENCE: 199579US0  
CURRENT APPLICATION NUMBER: US/09/708,426  
CURRENT FILING DATE: 2000-11-09  
PRIOR APPLICATION NUMBER: KR99-49591  
PRIOR FILING DATE: 1999-11-10  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 8  
LENGTH: 720  
TYPE: PR1  
ORGANISM: Aquifex aeolicus  
US-09-708-426-8

Query Match 2.3%; Score 110.5; DB 4; Length 720;

Best Local Similarity 19.3%; Pred. No. 0.13;  
Matches 127; Conservative 84; Mismatches 207; Indels 241; Gaps 34;

QY 303 PLEGEVDESREMRIRLKDLOK---KHPEKDLQVEMANYVALSHOOKSRAFYRIQAT 359  
Db 4 PEREKLOEKTRRELIRKIKDKVLSFEBAKLAEDREVITY---HDYK-----YYEAN 55  
QY 360 -----RMGTGAGNLIKHAEOAKKASSMSEVHTDEPEDFISKVEFPCSYOCLEN 410  
Db 56 PVIPDYDRLFRALKETIEKKY-PELITPDSPTQVASEIGEPPYVKNYTP--MLSDN 112  
QY 411 CGA--VLTVVRKGGDSKMTVVDYKTE-----GSAAGADY--EF 448  
Db 113 AYSDLEHEEPFRROJITGLEVYAVEPKLDGAGIALVYENDLFVRGATRGDEYGED 172  
QY 449 TEGTVLKPGEOKESVGIIDDDFEDEHFVRLSNV-----IEEOPPEE 496  
Db 173 TNNLKTITPLKAEFS-----RFGIKLAEIRGEVYIRKDEPKLNMKEE 219  
QY 497 GMPAIFNSLPLPRAVLASP---CVAIVTILDDHAGIFTECDTIHVS----- 542  
Db 220 GLPP-----FANPRNAAGSIRQKPREVAKRNLEALIVHLSVYEPETEPPT 267  
QY 543 --ESIGWEVAVLTVSGARGVIVPRTVEGTAGGGGDFEDYGELEFKNDEVKTIIV 600  
Db 268 HYESL--KMLHTLG-----FKTL-----FKQTKKGIDE 295  
QY 601 KIYDEEYEROENFFIALGEPKMMERGISDVYDKRLTMEEEAKRIAMGRPVLG---EH 657  
Db 296 VIECKEHEKRDY-----PEIDGMVYKNDRLM-----KVLGYISH 336  
QY 658 PKLEVIIESEYFK--TTVDKLIK-----KTNLALVVG-----THSMRDQ 695  
Db 337 PRMAI---AKFKPRPRAVTKLVGVNVOYGRGTITTPYGLPEVLGCVTVSSSLFNE 392  
QY 696 FM-----EATVSAAGDE-----DEDEGEER-----LPSCEDYVNAHFLTVF 732  
Db 393 FIREKDIRIGDMVYVVERAGDVIPYVVEYLKEREKRPVEFPKPCSCGSELVKL---- 448  
QY 733 WKVLFACVPPEY---CHGMACFVAVSLIIGMLAIIGDLASHGCGT--GLKDSVTVAVF 788  
Db 449 -----PEVAIRICINISCPAOSVL-----RIKHMASRDAMDRIGLGDATIKLFL 492



QY 789 -VAFSTVDPFASKAALODVYADASIGNVTGSNAV-----NVELGICLAW 834  
DB 493 NNGLAKNDVGDLYLK---LTDLTKLPGEKESAMULKAIEESKNRPDLRVLYGIGIRY 548

## RESULT 13

US-08-726-214-6  
Sequence 6, Application US/08726214

Patent No. 6107076

GENERAL INFORMATION:

APPLICANT: Tang, Wei-Jen

APPLICANT: Gilman, Alfred G.

TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE

TITLE OF INVENTION: AND USES THEREFOR

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: Texas

COUNTRY: United States of America

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/726,214

FILING DATE: Concurrently Herewith

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/003,498

FILING DATE: 04-OCT-1995

ATTORNEY/AGENT INFORMATION:

NAME: Highlander, Steven L.

REGISTRATION NUMBER: 37,642

REFERENCE/DOCKET NUMBER: UTSD:450

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000

TELEFAX: (512) 474-7577

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 1144 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-08-726-214-6

Query Match 2.3%; Score 109.5; DB 3; Length 1144;

Best Local Similarity 17.9%; Fred. No. 0.36;

Matches 133; Conservative 112; Mismatches 261; Indels 235; Gaps 32;

QY 131 ETVSNL-----TMAIGSSAPETLLSLIEVCGHGTAGDGPSTIYSAFNMF 179  
DB 60 ESELEMLQYTFKROHRETLVLVFAALFDCYVVMCAVNFSSDKLAPLVAGVGLVDI 119  
QY 180 IITIGCVY-VIPDGETRK-IKHLRVFTIAMSIFAYIWL-----YMLI 221  
DB 120 ILFVLCCKGLBDRVSRKVVPLYLMLLTA--QIFSYLGLNFSRAHAASDVTGWAQAFVF 177  
QY 222 AVF-----SPGVY-----QWEGILLTFEPFVYV 246  
DB 178 SEFTLPLSLSPVITISVSCVHTLVLTGTVAAQOOODELEGMOLIRETLAVFYLCAI 237  
QY 247 LA-----WVADRRLLFYKYMKKYRTDKRGITIEEGDHPKGIEMDGKMMNSHFLDGL 301  
DB 238 IYGISYIADR-----KIRKAFLEKROSLKMKMLNEESQOQENLMSI 282  
QY 302 VLEKGVDESRRERIRLKLQKHREKDLQDLVEMANYVALSHQOKSRAFYRIQATRM 361  
DB 283 LP---KHVAD-----EMLKDKMKDESQKDOQOQNTM---YMYRHENVSLFADIVGFTQ 330

QY 362 MTGAGN-----ILKHAAEQAKKASMSSEVHTDEDEDFISKVFDPSCYQCLENCA-- 413  
DB 331 LSSAGSAGQLVALLNLEFRFKLAQYHQLI-----KILGD--CYICI--CGLPD 378  
QY 414 -----VLITVVRKGGDMKTMVVDYKTEDGSANAGADVEFTGTVVLKPGETOKESVGI 468  
DB 379 YREDHAVCSILGLMVAEALISYREKTKTG-----VDMRVGHTGTVLGCV 424  
QY 469 IDDDIFEEDEHEFFVRLSNRIEEOPEECMPAIRNSLPPLPRAVLASPCVATVITLD--- 525  
DB 425 LQKRKQYD---VWSTDVTANKMEAGIGIPORVHS-----QSTMCLKGEF 468  
QY 526 DHAGIFPECDTIVSESIGV-----MEVVLRTSGARGT-----V 562  
DB 469 DVEPDGGSRCYD---DEKGIETYLIIASKPEVVKTAONGSLPLNGAPASRPSGA 525  
QY 563 IVPFRTVEGTAKGGEDEFTYGELEFKNDETIVKIVDEEYEROENFFIALGEPK 622  
DB 526 LIETKEPNSSAHASGTSSEA-----EDELQADN--PSPFNR 562  
QY 623 IMERGISDVTDRKLTMEEBEAKRIAMGKPVLGHPKLEVIIESEYEFKTVDKLIKTN 682  
DB 563 RRLR-LQDLADRVVDASED-----EHELNLLEALLERESA--QVVKRN 605  
QY 683 LALVGTSHMRDQFMEATVISAAGDEDESGEERLPSCFDVYMHPLTFMKVLPACVPP 742  
DB 606 TFLT-----MRFDPENETRYVEKEKQSGAAPSFC--VLFCTAMVILLIDPWL 656  
QY 743 TEYCHGMACFAVSLIIGMLT 763  
DB 657 TNV---VTFVGEVILLIT 673

## RESULT 14

US-08-050-684-2

Sequence 2, Application US/08050684

Patent No. 5550221

GENERAL INFORMATION:

APPLICANT: Johann Dr., Stephen V.

APPLICANT: Van Zelji Dr., Marja

APPLICANT: O'Hara Dr., Bryan M.

TITLE OF INVENTION: Amphitropic Virus Receptor

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESSES:

ADDRESSEE: American Cyanamid Company

STREET: 1937 West Main Street

CITY: Stamford

STATE: CT

COUNTRY: United States of America

ZIP: 06904-0060

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/050,684

FILING DATE: 16-APR-1993

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Lowney Dr., Karen A.

REGISTRATION NUMBER: 31,274

REFERENCE/DOCKET NUMBER: 31937-00

TELECOMMUNICATION INFORMATION:

TELEPHONE: 203-321-2971

TELEFAX: 203-321-2971

TELEX: 710-474-4059

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 652 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-050-684-2

Query Match 2.3%; Score 108.5; DB 1; Length 652;  
Best Local Similarity 19.9%; Pred. No. 0.17;  
Matches 124; Conservative 89; Mismatches 210; Indels 201; Gaps 30;

QY 77 VIVYFVALIYMF-LGVSIIADREMAST-EVITSQER-----EYTIKPNGET-121  
DB 11 ILGFIIFILAFSGVANDVANSFCTAVGCVTLRQACILASIFETTSVLLGAKVGETI 70  
QY 122 --STTTIRVNNETVSNLTIA-----LGSSAPBILLSLE--VCG-HGFIADLGSTI 170  
DB 71 RKGIIDVNLNIEVE--TLMAGESAVMSAVMQLASFLRLPISGTHCIVGSTIGESLV 128  
QY 171 V-----GSAFNMFIIGICVYIIPDETRKIKHLRYFF-204  
DB 129 AIGCKGVOMMELKYIVASWFISSLGFMGLFVLIRIFILKEDVPNGRLALPVFYA 188  
QY 205 ITAAMSIFAYIM---LYMILAFSPGVYQVMEGLTLFFFPYCV-----245  
DB 189 ATIAINVFSTIMYTGAPVLGLVPMWALALISFVALLFAFEVWLFVCPMMRRKITGKLOK 248  
QY 246 --LLAWVADRLL-----LFKYMHKKYRTDKH--RGIIET-----EGDHPK 283  
DB 249 EGALSRSVDSLSKVQEAESPVEKELPGAKANDSTIPLTGAGETLGTSGTSAGSHPR 308  
QY 284 GI-----EMDGKMNSHF-----LDGNLVPLEGEVDESHREMIIRILKLOK 326  
DB 309 AAYGRALSMTHGSVKSPISTNGTEFGDHTSDGHVHTVHKDSG-----LYKDLHK 360  
QY 327 -HPEKIDOLVEMANYALSHOOKSRAFYRIQATRMGTAGNLIKHAADQAKKASSMSE 385  
DB 361 IHIDRGPEEKPAQESNRLRLRNNSTYCY---TAAICG---LPVHATRAADSSA---409  
QY 386 VHDEPEDFISKVFFDCSYOCLENCGAVLLTVVRKGDMSKTYVYDKTEDSANAGAD 445  
DB 410 ----PED-SEKLVGDVYS-----KKRLRYOSYSYCAVAEAE 444  
QY 446 YETEGTVVLKPGTQKEFSVGIIDDIFFEDEHFFVRLSNVRIEEOPEEGMPA--IF 503  
DB 445 IEAEEGVEVK-----LASELADPQPREDP-----AEEKEEKDAPEVHILF 487  
QY 504 NSLPLPRAVLAS-----PCVATVTIIDDHAGITFEEDT-----IHV 541  
DB 488 HFLQVLTACGSGFAHGNDVSNALGPLVALMLIYKO---GGVQEAATPVWLLFYGGVGI 544  
QY 542 SESIGVMEVKVLRISGARGTVIVP 565  
DB 545 CTGLMWGRVVIQTMGKDLPIPTP 568

RESULT 15  
US-08-582-719-2

Sequence 2, Application US/08582719  
Patent No. 5633348  
GENERAL INFORMATION:  
APPLICANT: Johann Dr., Stephen V.  
APPLICANT: O'Hara Dr., Bryan M.  
TITLE OF INVENTION: Amphitropic Virus Receptor  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: American Cyanamid Company  
STREET: 1937 West Main Street  
CITY: Stamford  
STATE: CT  
COUNTRY: United States of America  
ZIP: 06904-0060  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/582,719  
FILING DATE: 04-JAN-1996  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/050,684  
FILING DATE: 16-APR-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lowney Dr., Karen A  
REGISTRATION NUMBER: 31,274  
REFERENCE/DOCKET NUMBER: 31937-00  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 203-321-2361  
TELEFAX: 203-321-2971  
TELEX: 710-474-4059  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 652 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-582-719-2

Query Match 2.3%; Score 108.5; DB 1; Length 652;  
Best Local Similarity 19.9%; Pred. No. 0.17;  
Matches 124; Conservative 89; Mismatches 210; Indels 201; Gaps 30;

QY 77 VIVYFVALIYMF-LGVSIIADREMAST-EVITSQER-----EYTIKPNGET-121  
DB 11 ILGFIIFILAFSGVANDVANSFCTAVGCVTLRQACILASIFETTSVLLGAKVGETI 70  
QY 122 --STTTIRVNNETVSNLTIA-----LGSSAPBILLSLE--VCG-HGFIADLGSTI 170  
DB 71 RKGIIDVNLNIEVE--TLMAGESAVMSAVMQLASFLRLPISGTHCIVGSTIGESLV 128  
QY 171 V-----GSAFNMFIIGICVYIIPDETRKIKHLRYFF-204  
DB 129 AIGCKGVOMMELKYIVASWFISSLGFMGLFVLIRIFILKEDVPNGRLALPVFYA 188  
QY 205 ITAAMSIFAYIM---LYMILAFSPGVYQVMEGLTLFFFPYCV-----245  
DB 189 ATIAINVFSTIMYTGAPVLGLVPMWALALISFVALLFAFEVWLFVCPMMRRKITGKLOK 248  
QY 246 --LLAWVADRLL-----LFKYMHKKYRTDKH--RGIIET-----EGDHPK 283  
DB 249 EGALSRSVDSLSKVQEAESPVEKELPGAKANDSTIPLTGAGETLGTSGTSAGSHPR 308  
QY 284 GI-----EMDGKMNSHF-----LDGNLVPLEGEVDESHREMIIRILKLOK 326  
DB 309 AAYGRALSMTHGSVKSPISTNGTEFGDHTSDGHVHTVHKDSG-----LYKDLHK 360  
QY 327 -HPEKIDOLVEMANYALSHOOKSRAFYRIQATRMGTAGNLIKHAADQAKKASSMSE 385  
DB 361 IHIDRGPEEKPAQESNRLRLRNNSTYCY---TAAICG---LPVHATRAADSSA---409  
QY 386 VHDEPEDFISKVFFDCSYOCLENCGAVLLTVVRKGDMSKTYVYDKTEDSANAGAD 445  
DB 410 ----PED-SEKLVGDVYS-----KKRLRYOSYSYCAVAEAE 444  
QY 446 YETEGTVVLKPGTQKEFSVGIIDDIFFEDEHFFVRLSNVRIEEOPEEGMPA--IF 503  
DB 445 IEAEEGVEVK-----LASELADPQPREDP-----AEEKEEKDAPEVHILF 487  
QY 504 NSLPLPRAVLAS-----PCVATVTIIDDHAGITFEEDT-----IHV 541  
DB 488 HFLQVLTACGSGFAHGNDVSNALGPLVALMLIYKO---GGVQEAATPVWLLFYGGVGI 544  
QY 542 SESIGVMEVKVLRISGARGTVIVP 565  
DB 545 CTGLMWGRVVIQTMGKDLPIPTP 568

Search completed: November 30, 2002, 12:33:20

Tue Dec '3 11:07:44 2002

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Job time : 42.1252 secs

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